Performance Data Sheet

AVB5558EXN

General Information

Model	AVB5558EXN	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	16100	13800					
	Watts	2370	2330					
	Amps	11.1	11.0					
	Lb/h	208	186					
-10	Btu/h	19800	17500	15100				
	Watts	2590	2580	2580				
	Amps	11.9	12.0	11.9				
	Lb/h	254	234	210				
-5	Btu/h	23600	21300	18900	16300			
	Watts	2790	2800	2830	2860			
	Amps	12.7	12.9	13.0	13.0			
	Lb/h	302	283	261	236			
0	Btu/h	27700	25400	22900	20200	17500		
	Watts	2960	3010	3070	3130	3170		
	Amps	13.4	13.7	14.0	14.2	14.2		
	Lb/h	351	334	313	290	263		
5	Btu/h	32000	29600	27000	24300	21500		
	Watts	3120	3190	3280	3380	3450		
	Amps	14.1	14.5	15.0	15.3	15.5		
	Lb/h	403	387	367	345	319		
10	Btu/h	36700	34100	31400	28600	25600	22500	19200
	Watts	3260	3360	3480	3610	3720	3800	3830
	Amps	14.7	15.2	15.8	16.4	16.8	17.0	16.8
	Lb/h	458	443	424	402	377	348	315
15	Btu/h	41600	38900	36100	33100	29900	26600	23200
	Watts	3380	3500	3660	3820	3970	4090	4160
	Amps	15.2	15.9	16.6	17.3	17.9	18.4	18.5
	Lb/h	517	502	483	462	437	409	376
20	Btu/h	47000	44100	41000	37800	34500	31000	27400
	Watts	3480	3630	3810	4010	4200	4370	4480
	Amps	15.7	16.5	17.3	18.2	19.0	19.7	20.1
	Lb/h	580	565	546	525	500	472	439

25	Btu/h	52800	49700	46400	42900	39400	35600	31800
	Watts	3560	3740	3950	4190	4420	4620	4780
	Amps	16.1	17.0	18.0	19.0	20.0	20.9	21.5
	Lb/h	647	632	613	592	567	538	506
30	Btu/h	59100	55700	52100	48400	44500	40600	36400
	Watts	3630	3830	4080	4350	4610	4860	5060
	Amps	16.5	17.5	18.6	19.8	20.9	22.0	22.9
	Lb/h	720	704	685	663	638	608	575
35	Btu/h	65900	62200	58300	54300	50100	45800	41400
	Watts	3680	3910	4190	4490	4790	5080	5330
	Amps	16.8	17.9	19.1	20.4	21.8	23.0	24.1
	Lb/h	798	781	761	738	712	682	648
40	Btu/h	73200	69200	65000	60600	56100	51400	46700
	Watts	3710	3970	4280	4620	4960	5290	5580
	Amps	17.1	18.2	19.5	21.0	22.5	24.0	25.3
	Lb/h	882	864	843	819	792	761	726
45	Btu/h	81200	76800	72200	67400	62500	57500	52300
	Watts	3740	4020	4360	4730	5110	5480	5820
	Amps	17.3	18.5	19.9	21.5	23.2	24.8	26.3
	Lb/h	972	953	931	906	877	845	808
50	Btu/h	89800	84900	79900	74800	69500	64000	58400
	Watts	3750	4060	4430	4830	5250	5660	6050
	Amps	17.5	18.7	20.2	21.9	23.7	25.5	27.3
	Lb/h	1070	1050	1030	998	968	934	896
55	Btu/h	99100	93800	88300	82700	76900	71000	65000
	Watts	3750	4080	4480	4920	5370	5830	6260
	Amps	17.6	18.9	20.5	22.3	24.2	26.2	28.2
	Lb/h	1180	1150	1130	1100	1070	1030	989

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.031823E+04	5.738786E+03	2.075207E+01	4.345901E+02
C2	9.422859E+02	1.613939E+01	1.426579E-01	8.404267E+00
C3	-8.143570E+01	-9.377643E+01	-3.062614E-01	-8.384152E-01
C4	1.102661E+01	-3.931467E-01	1.103986E-04	9.886001E-02
C5	-1.203448E+00	-8.084658E-02	-2.471501E-03	2.108792E-02
C6	-1.046544E+00	1.010530E+00	3.853922E-03	2.195517E-03
C7	5.629081E-02	1.117630E-03	3.872725E-07	6.656957E-04
C8	-7.213915E-02	-2.084845E-04	-1.545837E-05	-5.959225E-04
C9	-1.230909E-03	3.701812E-03	2.994349E-05	9.659359E-06
C10	1.165530E-03	-3.397902E-03	-1.465277E-05	-5.953075E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature